

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---|------------------|---------|---------------------|
| L1    | 877  | 252/175,178,186.1,188.1,363.5,182.11,182.35.ccls. and (\$silicate \$carbonate gl?conate potassium adj aluminum adj sulfate alum) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR               | ON      | 2011/08/09<br>14:03 |
| L2    | 870  | 252/175,178,186.1,188.1,363.5,182.11,182.35.ccls. and (\$silicate \$carbonate glyconate potassium adj aluminum adj sulfate alum) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR               | ON      | 2011/08/09<br>14:04 |
| L3    | 7    | l1 not L2  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR               | ON      | 2011/08/09<br>14:04 |
| L4    | 1376 | 424/682,715,717,722.ccls. and (\$silicate \$carbonate gl?conate potassium adj aluminum adj sulfate alum)                         | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR               | ON      | 2011/08/09<br>14:05 |
| L5    | 538  | 424/682.ccls. and (metasilicate \$carbonate gl?conate)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR               | ON      | 2011/08/09<br>14:06 |
| L6    | 546  | 424/682.ccls. and (metasilicate \$carbonate gl?conate potassium adj aluminum adj sulfate)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR               | ON      | 2011/08/09<br>14:06 |
| L7    | 293  | 424/715.ccls. and (metasilicate \$carbonate gl?conate potassium adj aluminum adj sulfate alum)                                   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR               | ON      | 2011/08/09<br>14:06 |

|     |     |  |   |    |    |                     |
|-----|-----|--|---|----|----|---------------------|
| L8  | 733 | 424/717,722.ccls. and (metasilicate \$carbonate gl?conate potassium adj aluminum adj sulfate alum)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2011/08/09<br>14:06 |
| L9  | 87  | l4 not (L5 L6 L7 L8)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2011/08/09<br>14:06 |
| L16 | 33  | ("4725455"   "4747978"   "5281351"   "6258772"   "4618914"  <br>"5789361"   "20020016278"   "5707534"   "4830773"  <br>"5599781"   "5741768"   "20020037260"   "5663132"  <br>"5863345"   "5443751"   "6825159").PN. | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2011/08/09<br>15:39 |
| L17 | 16  | ("4725455"   "4747978"   "5281351"   "6258772"   "4618914"  <br>"5789361"   "20020016278"   "5707534"   "4830773"  <br>"5599781"   "5741768"   "20020037260"   "5663132"  <br>"5863345"   "5443751"   "6825159").PN. | US-PGPUB;<br>USPAT                          | OR | ON | 2011/08/09<br>15:39 |
| S1  | 2   | JP-2000063894-\$.did.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/01/27<br>12:09 |
| S2  | 1   | "210".clas. and metasilicate and carbonate and glyconate and<br>aluminum adj sulfate   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/01/27<br>12:11 |
| S3  | 4   | metasilicate and carbonate and glyconate and aluminum adj<br>sulfate   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/01/27<br>12:15 |
| S4  | 5   | metasilicate and carbonate and glyconate and aluminum  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/01/27<br>12:15 |
| S5  | 7   | metasilicate and carbonate and glyconate and sulfate   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/03<br>09:04 |

|     |        |   |   |    |    |                     |
|-----|--------|---|---|----|----|---------------------|
| S6  | 596    | glyconate   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/03<br>09:12 |
| S7  | 313    | glyconic adj acid   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/03<br>09:26 |
| S8  | 1086   | metasilicate and carbonate and gluconate and sulfate                            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/03<br>10:40 |
| S9  | 129431 | "210".clas. metasilicate and carbonate and gluconate and sulfate                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/03<br>10:40 |
| S10 | 14     | "210".clas. and metasilicate and carbonate and gluconate and sulfate            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/03<br>10:40 |
| S11 | 118    | metasilicate and carbonate and gluconate and aluminum adj sulfate               | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/03<br>10:42 |
| S12 | 11     | metasilicate and carbonate and gluconate and potassium adj aluminum adj sulfate | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/03<br>10:43 |
| S13 | 118    | metasilicate and carbonate and gluconate and aluminum adj sulfate               | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/03<br>11:50 |
| S14 | 36     | stelling-l\$.xa.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/03<br>11:50 |

|     |      |  |   |    |    |                     |
|-----|------|--|---|----|----|---------------------|
| S15 | 18   | 252/175.ccls. and metasilicate               | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/03<br>12:19 |
| S16 | 26   | 210/764.ccls. and gluconate                  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/03<br>12:33 |
| S17 | 1    | ina-t\$.in. and 510/480.ccls.                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/03<br>14:16 |
| S18 | 6236 | detergent and chaotropic                     | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/03<br>15:05 |
| S19 | 85   | detergent and chaotropic and "210".clas.     | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/03<br>15:05 |
| S20 | 0    | detergent.ti. and chaotropic and "210".clas. | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/03<br>15:06 |
| S21 | 39   | detergent.ti. and chaotropic                 | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/03<br>15:07 |
| S22 | 13   | detergent.ti. and salt adj carrier           | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/03<br>15:13 |
| S23 | 8    | salt adj carrier and sea adj salt            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/03<br>15:15 |

|     |    |   |   |    |    |                     |
|-----|----|---|---|----|----|---------------------|
| S24 | 2  | "20020016278".pn.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/03<br>15:37 |
| S25 | 1  | host adj spectrum near3 peroxide  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/05<br>13:58 |
| S26 | 6  | host adj spectrum and bactericidal adj potency  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/05<br>14:01 |
| S27 | 2  | "20020016278".pn.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/05<br>14:59 |
| S28 | 11 | (US-20020160930-\$ or US-20050148488-\$ or US-20080035580-\$ or US-20040121926-\$ or US-20050159281-\$ or US-20020086039-\$).did. or (US-6974789-\$ or US-5707534-\$ or US-5709880-\$ or US-5149354-\$ or US-6762160-\$).did. | US-PGPUB;<br>USPAT                          | OR | ON | 2010/08/05<br>15:33 |
| S29 | 4  | S28 and potassium adj aluminum adj sulfate  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/05<br>15:33 |
| S30 | 22 | detergent.ti. and potassium adj aluminum adj sulfate  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/05<br>15:34 |
| S31 | 12 | detergent.ti. and aluminum adj potassium adj sulfate  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/05<br>15:52 |
| S32 | 19 | "210".clas. and aluminum adj potassium adj sulfate  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/05<br>15:56 |

|     |      |   |   |    |    |                     |
|-----|------|---|---|----|----|---------------------|
| S33 | 46   | 210/764.ccls. and (gluconic glyconic gluconate glyconate)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/09<br>11:26 |
| S34 | 2    | JP-2000063894-A.DID.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/08/09<br>11:44 |
| S35 | 3117 | 210/749,760,748.1-748.15.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2011/08/09<br>09:08 |
| S36 | 427  | 210/749,760,748.1-748.15.ccls. and (metasilicate carbonate glyconate potassium adj aluminum adj sulfate)                      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2011/08/09<br>09:09 |
| S37 | 496  | 210/749,760,748.1-748.15.ccls. and (metasilicate \$carbonate glyconate potassium adj aluminum adj sulfate)                    | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2011/08/09<br>09:09 |
| S38 | 670  | 210/749,758,760,748.1-748.15.ccls. and (metasilicate \$carbonate glyconate potassium adj aluminum adj sulfate)                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2011/08/09<br>09:10 |
| S39 | 740  | 252/175,178,186.1,188.1,363.5,182.11,182.35.ccls. and (metasilicate \$carbonate glyconate potassium adj aluminum adj sulfate) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2011/08/09<br>09:32 |
| S40 | 748  | 252/175,178,186.1,188.1,363.5,182.11,182.35.ccls. and (metasilicate \$carbonate gl?conate potassium adj aluminum adj sulfate) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2011/08/09<br>09:50 |
| S41 | 1287 | 424/682,715,717,722.ccls. and (metasilicate \$carbonate gl?conate potassium adj aluminum adj sulfate)                         | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2011/08/09<br>10:35 |

|     |     |  |   |    |    |                     |
|-----|-----|--|---|----|----|---------------------|
| S42 | 538 | 424/682.ccls. and (metasilicate \$carbonate gl?conate)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2011/08/09<br>10:35 |
| S43 | 546 | 424/682.ccls. and (metasilicate \$carbonate gl?conate potassium<br>adj aluminum adj sulfate)                         | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2011/08/09<br>10:36 |
| S44 | 293 | 424/715.ccls. and (metasilicate \$carbonate gl?conate potassium<br>adj aluminum adj sulfate alum)                    | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2011/08/09<br>11:55 |
| S45 | 733 | 424/717,722.ccls. and (metasilicate \$carbonate gl?conate<br>potassium adj aluminum adj sulfate alum)                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2011/08/09<br>12:29 |
| S46 | 729 | 510/199,488,514,531.ccls. and (metasilicate \$carbonate gl?<br>conate potassium adj aluminum adj sulfate alum)       | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2011/08/09<br>12:56 |
| S47 | 798 | 510/199,488,514,531.ccls. and (\$silicate \$carbonate gl?conate<br>potassium adj aluminum adj sulfate alum)          | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2011/08/09<br>12:56 |
| S48 | 113 | 252/289,192.ccls. and (\$silicate \$carbonate gl?conate potassium<br>adj aluminum adj sulfate alum)                  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2011/08/09<br>13:33 |
| S49 | 210 | 252/189,192.ccls. and (\$silicate \$carbonate gl?conate potassium<br>adj aluminum adj sulfate alum)                  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2011/08/09<br>13:34 |
| S50 | 840 | 210/749,758,760,748.1-748.15.ccls. and (\$silicate \$carbonate<br>glyconate potassium adj aluminum adj sulfate alum) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2011/08/09<br>13:44 |

|     |     |   |   |    |    |                     |
|-----|-----|---|---|----|----|---------------------|
| S51 | 870 | 252/175,178,186.1,188.1,363.5,182.11,182.35.ccls. and (\$silicate<br>\$carbonate glyconate potassium adj aluminum adj sulfate alum) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2011/08/09<br>13:55 |
|-----|-----|---|---|----|----|---------------------|

EAST Search History (Interference)

<This search history is empty>

8/ 9/ 2011 3:48:38 PM

C:\ Documents and Settings\ Istelling\ My Documents\ EAST\ Workspaces\ 10-596095.wsp